

ABSTRACT

A method and apparatus for servicing transit and transmit traffic in a node of a network. The network includes a plurality of nodes connected by first and second rings formed by two or more transmission media. The method includes receiving usage data from a downstream node, identifying a first weighted value associated with a provisioning rate associated with the downstream node and a second weighted value associated with a provisioning rate of the node, determining an allowed usage for the node using the usage data and the first and second weighted values and servicing transmit and transit traffic received at the node including limiting the servicing of the transmit traffic in accordance with the determined allowed usage.

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